

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>In Re Application of</b>	)	
	)	
<b>Ashok Mantravadi et al</b>	)	<b>For: Channel Estimation For A Wireless</b>
	)	<b>Communication System With</b>
	)	<b>Multiple Parallel Data Streams</b>
<b>Serial No. To be Assigned</b>	)	
	)	
<b>Filed: Herewith</b>	)	<b>Group No.</b>

**INFORMATION DISCLOSURE STATEMENT**

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313

Dear Sir:

Applicants submit herewith, in accordance with 37 CFR § 1.98, the enclosed Form PTO-1449.

The references submitted herewith are those of which Applicants are aware, which they believe may be material to the examination of this application and, with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56. While the references identified may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application, unless specifically designated as such. Additionally, the filing of this Information Disclosure Statement shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

In accordance with 37 CFR § 1.97(b)(3), this Information Disclosure Statement is being submitted before mailing of the first Office Action on the merits.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313, on:

February 3, 2004

(Date of Deposit)

Courtney Elyre

(Name of the Person Making Deposit)

(Signature)

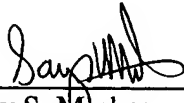
A list of the references is set forth on Form PTO-1449, which is enclosed herewith, along with a copy of each cited reference. Applicants respectfully request that the Examiner return to Applicants a copy of the Form PTO-1449 indicating consideration of the references cited thereon.

Applicants do not believe that any fees are due. If, however, it is determined that fees are owed, Applicants hereby authorize that such fees be charged to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: February 3, 2004

By: \_\_\_\_\_

  
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FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 030262	SERIAL NO. To Be Assigned
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use several sheets if necessary)</i>		APPLICANT Ashok Matravadi et al.	
		FILING DATE February 2, 2004	GROUP
DATE MAILED: February 2, 2004			

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1						
	A2						
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1						
	B2						
	B3						
	B4						
	B5						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

	C1	Coleri, S. et al, "Channel Estimation Techniques Based on Pilot Arrangement in OFDM Systems"
		IEEE Transactions On Broadcasting, Vol. 48, No. 3, September 2002
EXAMINER		DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		